CLAIMS

What is claimed is:

1.   A process, by which a portable wireless telephone controls processing of a message on a message storage system, comprising:

receiving in the portable wireless telephone message service information from a resource database via a data channel between the portable wireless telephone and the resource database;

processing a message responsive to the message service information via a data channel between the portable wireless telephone and the message storage system according to the message service information; and

updating the message service information in the resource database by the message storage system according to the processing via a data channel between the resource database and the message storage system.

2.   The process according to claim 1, wherein the message service information comprises location data of the message storage system and subscriber mailbox information.

3.   The process according to claim 1, wherein the message includes data selected from a group consisting of voice, video, audio, image, text or data.

4.   A process, by which a portable wireless telephone controls processing of a message on a message storage system, comprising:

creating a resource database storing message service information;

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receiving in the portable wireless telephone the message service information from the resource database via a data channel between the portable wireless telephone and the resource database;

storing a message in the portable wireless telephone without establishing a voice or data channel with the message storage system without establishing a voice or data channel with the message storage system;

processing a message responsive to the message service information via a data channel between the portable wireless telephone and the message storage system according to the message service information; and

updating the message service information in the resource database by the message storage system according to the processing via a data channel between the resource database and the message storage system.

5.   A process according to claim 4, further comprising associating message storage systems providing different services to the portable wireless telephone.

6.   The process according to claim 4, wherein the message service information comprises location data of the message storage system and subscriber mailbox information.

7.   A process, comprising:

controlling from a telephone processing of a voice message on a voice message storage system using a data channel with the voice message storage system.

8.   A process, comprising:

recording a message for a recipient subscriber in a portable wireless telephone without establishing a voice or data channel with the message storage system;

querying address of a recipient-subscriber message storage system from a resource database via a data channel between the portable wireless telephone and the resource database;

transmitting the message to the recipient-subscriber message storage system via a data channel between the portable wireless telephone and the recipient-subscriber message storage system;

storing the transmitted message in a mailbox for the recipient subscriber in the recipient-subscriber message storage system;

updating message service information of the recipient subscriber in the resource database by the recipient-subscriber message storage system according to the storing in the mailbox via a data channel between the resource database and the message storage system;

alerting automatically a recipient-subscriber portable wireless telephone with the message service information by the resource database via a data channel between the resource database and the portable wireless telephone;

establishing a data channel between the recipient-subscriber portable wireless telephone and the recipient-subscriber message storage system;

processing the message in the recipient-subscriber portable wireless telephone via the data channel between the recipient-subscriber portable wireless telephone and the recipient-subscriber message storage system; and

updating the message service information of the recipient subscriber in the resource database by the recipient-subscriber message storage system according to the processing in the recipient-subscriber portable wireless telephone via a data channel between the resource database and the message storage system.

9.   The process according to claim 8, wherein the processing further comprises:

receiving data packets corresponding to the message from the recipient-subscriber message storage system via the data channel; and

presenting the message to the recipient subscriber on the recipient-subscriber portable

wireless telephone.

10.   The process according to claim 8, wherein the transmitting and receiving further comprises:

transmitting and receiving data units comprising data packets corresponding to the message, identification information of the message, total number of the data packets information and data packet sequence number information; and

determining whether to retransmit data packets;

retransmitting data packets responsive to the determining using the identification information, the total number of the data packets and the data packet sequence number information.

11.   A system, comprising:

message storage systems storing voice messages; and

a portable wireless telephone comprising a processor to control processing of a voice message on the message storage systems using a data channel with the message storage systems.

12.   A system, comprising:

message storage systems storing messages;

a resource database storing message service information relating to the messages; and

a portable wireless telephone comprising a storage unit and a processor programmed to receive the message service information from the resource database via a data channel between the portable wireless telephone and the resource database, to store a message in the storage unit without establishing a voice or data channel with the message storage system, and to process a message responsive to the message service information via a data channel between the portable

wireless telephone and the message storage system according to the message service information.

13.   The system according to claim 12, wherein the message storage systems update the message service information in the resource database via a data channel between the message storage systems and the resource database.

14.   The system according to claim 12, wherein the message service information comprises location data of the message storage systems and subscriber mailbox information.

15.   A system, comprising:

a portable wireless telephone;

message storage systems storing voice messages; and

means for controlling processing voice messages on the message storage systems using a data channel with the message storage systems.

16.   A portable wireless telephone, comprising a processor programmed to receive message service information from a resource database via a data channel between the portable wireless telephone and the resource database, and to process a message responsive to the message service information via a data channel between the portable wireless telephone and a message storage system according to the message service information.

17.   The portable wireless telephone according to claim 16, further comprising a storage unit and wherein the processor is programmed to store the message in the storage unit without establishing a voice or data channel with the message storage system, as the process to automatically transmit and receive the message to/from the message storage system via the data

channel based upon the message service information and present the message to a subscriber using the portable wireless telephone.

18.   The portable wireless telephone according to claim 17, wherein the message service information comprises location data of the message storage system and subscriber mailbox information.

19.   A telephone, comprising a processor programmed to establish a data channel with message storage systems storing voice messages, and to control processing of a voice message on the message storage systems using the data channel.